Software Installation Procedures

UnMakeInstall
Version 1.0.0.0 (HP-UX 10.20)

December 9, 1997

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Preface

The following conventions are used in this document:

Bold	Used for information that is typed, pressed, or selected in executables and instructions. For example, select **connect to host**.
Italics	Used for file names, directories, scripts, commands, user IDs, document names, and Bibliography references; and any unusual computerese the first time it is used in text.
<u>Underline</u>	Used for emphasis.
Arrows <>	Used to identify keys on the keyboard. For example <Return>.
"Quotation Marks"	Used to identify informal, computer-generated queries and reports, or coined names; and to clarify a term when it appears for the first time. For example "Data-Generation Report."
`Courier Font`	Used to denote anything as it appears on the screen or command lines. For example `tar xvf dev/rmt/3mm`.
Capitalization	Used to identify keys, screen icons, screen buttons, field, and menu names.

1. Installation Procedures

1.1 Scope

These Installation Procedures (IP) provide a quick reference for installing the UnMakeInstall developer tool for the Defense Information Infrastructure (DII) on HP-based machines.

1.1.1 Identification

This section contains identification information for the UnMakeInstall developer tool:

Segment Name:	UnMakeInstall
Segment Type:	TOOL
Prefix:	unmake
Home Directory:	*/h/TOOLS/DII_DEV/bin*
Required License:	None.
Version Number:	1.0.0.0
Platform:	HP (UNIX) Workstation/HP-UX 10.20

1.1.2 System Overview

Purpose:	UnMakeInstall is a tool that allows developers to extract individual segments from MakeInstall formatted media. Users can unbundle segments from existing MakeInstall tapes so that they may subsequently create custom installation packages for their respective field units.
Usage:	The tool is a command line invoked executable that uses the system supplied tar, uncompress, dd, and tape handling utilities to extract segments files from a tape.
References:	See the section of the *Programmer's Manual* on UnMakeInstall for more information.

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2. Reference Documents

More information about this tool may be found in the appropiate section of the *Programmer's Manual*.

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3. System Environment

3.1 System Requirements

3.1.1 Hardware Requirements

The following HP hardware is necessary to install the UnMakeInstall developer tool:

- C HP-UX 10.20
- C 3MB of RAM, 512 KB of disk space

3.1.2 Operating System Requirements

The HP operating system must be at least HP-UX 10.20 to install UnMakeInstall.

3.1.3 Kernel Requirements

The following DII COE Kernel is required to install UnMakeInstall:

DII COE Kernel V3.2 for HP-UX 10.20

3.2 System and Site Preparations

3.2.1 System Configuration

None.

3.2.2 Operation System Preparation

None.

3.2.3 Tape/Disk Preparation

None.

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4. Installation Instructions

4.1   Media Booting Procedures

None.

4.2   Installation Procedures for the UnMakeInstall Developer Tool

Step 1:   Insert "executable" tape into tape drive.

Step 2:   Change the current working directory to that of the installation folder, namely:
/h/TOOLS/DII_DEV/bin. This can be done with the following command:

```
cd /h/Tools/DII_DEV/bin
```

Step 3:   Discover the tape device number for the tape drive in which the tape is currently.
This may be written on the tape drive.

Step 4:   Extract the tool into the current working directory using tar. Here is an example
with tape device number 0. Use medium density:

```
tar xpf /dev/rmt/0m UnMakeInstall
```

Step 5:   Remove the tape.

Step 6:   Change id to root, If you do not have root acess, consult your system
administrator for the following steps.

Step 7:   Change ownership of UnMakeInstall to root. This can be done with the
chown command:

```
chown root UnMakeInstall
```

Step 8:   Set the "sticky" bit on UnMakeInstall (so that the tool will run as root).
This can be done with the following:

```
chmod 4555 UnMakeInstall
```

Be sure to put the digit 4 in front of the normal sets of rwx bits as shown above.

Step 6:   Verify that the tool is now in the current working directory and has the suid (sticky bit) set with root ownership. This can be done by using the `ls -l` command:

`ls -l`

This should result in a file listing with the following entry:

`-r-sr-xr-x    root COE  UnMakeInstall`

4.2.1   De-Installation Instructions

Step 1:   You must be root to remove the UnMakeInstall binary. Use the unix command "su" to change your id to root. If you do not have the root password, consult the system administrator, or ask the system administrator de-install the software.

Type the su command: su

You should see "su". Ask for the root password with the following entry:

```
Password:
```

Enter the root password. If you typed in the correct password for root, a new

shell

will be launched with root access, and the prompt will most likely change to the pound sign "#". If the root password was not typed in correctly, su will print a message and quit. Ususally this message is:

```
Sorry.
```

Step 2:   Change to UnMakeInstall's home directory.

```
cd /h/Tools/DII_DEV/bin
```

Step 3:   Remove UnmakeInstall.

```
rm UnMakeInstall
```

4.3   Initializing the Software

Not required.

4.4   List of Changes and Enhancements

Not applicable.

4.5   Important Considerations

Must have root access to remove the tool.

5. Notes

None.

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